Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -Construction of Samudhaya Bhavan at Varadarajanagara and Construction of RO Plant and Drilling of Borewells with Pipeline in Ward No.11 Kuvempunagara

Name of Agency :- Sri. N Lokanath Reddy

Bill No :- 1st and Part Bill

Pre Measurment : 19.06.2019.

Sl. No.	Description of Item	sides	No.	L	B1	B2	Avg width	D	Qty.	Remarks/ Units
	R O PLANT									
	RR No:-C3WP409									
110	Providing Reverse Osmosis System to cover 2000 liters of High TDS TECHNICAL Specifications, Feed Water : 5000LPH, Treated Water : 3000LPH, Reject Water : 2000LPH, RAW WATER PUMP, Purpose :- To feed the Dual Media Filter at pressure more than 2.0 bars, which is min. operating pressure for filter ? , SAND MEDIA FILTER, Purpose :- to remove the total suspended solids, dirt,iron and reduce silt density index which can foul the members. ACTIVATED CARBON FILTER, Purpose:- To remove the total color, smell, odor, from the water. MICRON FILTER, Purpose:- To remove the fine particles up to 05 microns and reduce silt density levels to acceptable level. HIGH PRESSURE PUMP, Purpose:- To feed the reversw Osmosis Membrane at pressure more than the osmotic pressure taking into cosideration flux rate,flow and recovery, RO MEMBRANES, Purpose:- To remove the major part of TDS into 98% by Reverse Osmosis Membranes arranged and designed to give adequate flow and recovery. RO CLEANSING SYSTEM. ELECTRICAL PANEL, Purpose:- A Control panel is provided as a safety measure for the pumps & other electrical items Specifications, INSTRUMENTATION, Purpose:- A) Flow Meter: To measure the online flow of water flowtec b) Low pressure switch : To protect RO Pump from dry running c) High pressure switch: to protect RO pump from back pressure d) Pressure Gauges: For claculate AP for each unit in RO system. PH DOSING SYSTEM, Purpose TO DOSE SODIUM Bi-cabonate for enhances product water SS till the prefiltration & SS from HPP to the permeate line termination point NRV's Pressure relief valves, whereever needed the system will be on common SS base frame Supply & manufacture of complete REverse Osmosis plant stainless steel tank (2kl) Raw water tank (5kl) with stainless steel pipe line required for plant erection.									
			Nos	1					1.00	
								Total	**1.00**	**Nos**

Checked
15/7/19

Assistant Engineer 19/6/19

Assistant Executive Engineer 19/6/19

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer